

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |   |    |   |                        |                      |
|--|---|----|---|------------------------|----------------------|
| Substitute for form 1449B/PTO                    |   |    |   | Complete if Known      |                      |
| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT |   |    |   | Application Number     | Unassigned 08/577702 |
| Date Submitted: April 28, 2006                   |   |    |   | Filing Date            | Herewith             |
| (use as many sheets as necessary)                |   |    |   | First Named Inventor   | Masao YANAGAWA       |
|  |   |    |   | Group Art Unit         | Unassigned           |
|  |   |    |   | Examiner Name          | Unassigned           |
|  |   |    |   | Attorney Docket Number | 023174-0161          |
| Sheet  | 1 | of | 1 |                        |                      |

| U.S. PATENT DOCUMENTS |                       |                      |                                   |   |  |   |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                       |                       | Number               | Kind Code <sup>2</sup> (if known) |   |  |   |
| M                     | A1                    | 2005/0165266         | A1                                | Mihan et al.                                    | 07/28/2005                                       |   |
|                       | A2                    | 6,344,594            | B1                                | Sen et al.                                      | 02/05/2002                                       |   |
|                       |                       |                      |                                   |   |  |   |

| U.S. PATENT APPLICATION DOCUMENTS |                       |                                  |                                   |   |  |   |
|-----------------------------------|-----------------------|----------------------------------|-----------------------------------|---|--|---|
| Examiner Initials*                | Cite No. <sup>1</sup> | U.S. Patent Application Document |                                   | Name of Patentee or Applicant of Cited Document | Filing Date of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                                   |                       | Serial Number                    | Kind Code <sup>2</sup> (if known) |   |  |   |
|                                   |                       |                                  |                                   |   |  |   |

| FOREIGN PATENT DOCUMENTS |                       |                         |                     |                                   |  |  |   |                |
|--------------------------|-----------------------|-------------------------|---------------------|-----------------------------------|--|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document |                     |                                   | Name of Patentee or Applicant of Cited Documents | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>6</sup> |
|                          |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup> (if known) |  |  |   |                |
| M                        | A3                    | JP                      | 2000-202299         |                                   | Tosoh Corp.                                      | 07/25/2000                                       |   | Abs            |
|                          |                       |                         |                     |                                   |  |  |   |                |

| NON PATENT LITERATURE DOCUMENTS |                       |  |                |
|---------------------------------|-----------------------|--|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>6</sup> |
| M                               | A4                    | Cecily.ANDES et al., "New Tantalum-Based Catalyst System for the Selective Trimerization of Ethene to 1-Hexene", J. AM. CHEM. SOC., 2001, Vol. 123, No. 30, pgs. 7423-7424.  |                |
|                                 |                       |  |                |

|   |                 |
|---|-----------------|
| Examiner Signature  | Date Considered |
|  | May 3, 2007     |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.